



Winston H. Hickox  
Secretary for  
Environmental  
Protection

# California Regional Water Quality Control Board

## Central Valley Region

Robert Schneider, Chair



Gray Davis  
Governor

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### Sacramento Main Office

Internet Address: <http://www.swrcb.ca.gov/rwqcb5>  
3443 Routier Road, Suite A, Sacramento, California 95827-3003  
Phone (916) 255-3000 • FAX (916) 255-3015

21 June 2005

Kadee Hoover  
McCormack Williamson Winery  
113 Main Street  
Rio Vista, CA 94571

### ***NOTICE OF APPLICABILITY OF RESOLUTION NO. R5-2003-0106 MCCORMACK WILLIAMSON WINERY, SAN JOAQUIN COUNTY***

Regional Board staff has reviewed your *Report of Waste Discharge* (RWD) dated 29 October 2004 and additional information submitted on 25 April 2005 for the McCormack Williamson Winery. The RWD was submitted for coverage under Resolution R5-2003-0106, *Waiver of Waste Discharge Requirements for Small Food Processors, Including Wineries, Within the Central Valley Region*. The RWD included a *Notice of Intent* to comply with the storm water General Permit. An 18 January 2005 check in the amount of \$872 was submitted to the Regional Board. Our review finds the RWD to be substantially complete.

Resolution No. R5-2003-0106 (a copy of which is enclosed), adopted by the Regional Board on 11 July 2003, is a conditional waiver of waste discharge requirements for small food processors including wineries. Based on the information you have submitted, the discharge as described in the RWD satisfies the general and specific conditions of Resolution No. R5-2003-0106 for the projected volume of wastewater to be produced.

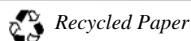
#### Discharge Description

McCormack Williamson Company owns the McCormack Williamson Winery at 3125 East Orange Street in Acampo, San Joaquin County. The winery is on 9.25 acres, with 5.5-acres suitable for wastewater application. The remainder of the land is covered with paved parking areas or buildings.

The Discharger estimates that 80-tons of grapes will be crushed on an annual basis and additional grape juice (must) will be delivered to the site for fermentation and bottling. In 2004, nearly 10,000-gallons of wine was received for bottling. Winery wastewater will be discharged through pipes and sumps to the 19,000-gallon Primary Effluent Underground Storage Tank (UST) from which wastewater will be pumped to the 15,000-gallon Aboveground Effluent Storage Tank (AST). From the AST, wastewater will be applied to the land application area or discharged into a tanker truck for disposal at a licensed wastewater treatment facility. Wastewater can also be pumped directly from the UST to a tanker truck for off-site disposal. Presently, the East Bay Municipal Utilities District (EBMUD) wastewater treatment facility in Oakland has issued the Discharger a permit for disposal of the wastewater. In the

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future, alternative wastewater facilities (City of Stockton or other facility) may issue permits for disposal.

Wastewater will be applied to approximately 5.5-acres of land. The Discharger expects to crop corn, alfalfa, hay, oats, or fescue grass. Other crops may be acceptable as long as they take up adequate dissolved solids, nutrients, and can be grown in the land application area. The land application area will be sloped (up to 2-percent) to provide uniform application of wastewater. A containment berm will surround the area and it will be further subdivided into irrigation checks.

If irrigation of the land application area must be postponed due to weather or climatic conditions, wastewater will be temporarily stored in the UST, AST, or if needed for winery operations, hauled to a permitted wastewater facility.

The primary method of wastewater disposal will be flood irrigation, but spray irrigation is acceptable if conditions allow. The Discharger has estimated the maximum volume and strength of wastewater that will be produced and has calculated the expected maximum hydraulic and agronomic loading rates for the proposed disposal area. Based on these calculations, the proposed land application area should have adequate hydraulic and nutrient uptake capacity to receive the total wastewater discharge from this facility and remain protective of groundwater and surface water quality. The Discharger has identified several Best Management Practices (BMPs) that will be followed in order to minimize wastewater strength and potential odor problems, and to prevent hydraulic or nutrient overloading. The BMPs presently consist of:

1. Wastewater strength will be limited by screening solids and biological treatment in the UST and AST. The land treatment processes will provide further treatment of organic constituents.
2. The volume of wastewater used to calculate the maximum loading rates was 100,000 gallons per year, which corresponds to approximately 0.7-inch of wastewater applied to the land application area.
3. Approximately 7.5 pounds per acre of nitrogen compounds will be applied (assuming an average concentration of 50 mg/L in the wastewater), which is well below the crop uptake rate.
4. Approximately 305 pounds per acre of dissolved solids will be applied (assuming an average concentration of 2,000 mg/L in the wastewater); this loading rate is not considered excessive if the land application area is cropped.

The Discharger has installed an in-line flow meter to measure the total wastewater flow rate. Meter readings will be recorded daily. Wastewater volume data will be compiled and included in an annual report.

Residual solids (pomice, stems, and lees) from the winery operation will be containerized and returned to the growers for discing into the vineyard soil. Based on 80-tons of grapes crushed, approximately 48,000-pounds of solid waste will be generated. As a contingency solid waste management option, the Discharger can dispose of solid waste at a permitted sanitary landfill.

#### Conditional Waiver

Based on the information submitted in the RWD, the discharge as described above satisfies the general and specific conditions of Resolution No. R5-2003-0106 for the current amount of wastewater produced. Therefore, this letter serves as formal notice that Resolution No. R5-2003-0106 is applicable and waste discharge requirements for this facility are waived.

Enclosed is a copy of Resolution No. R5-2003-0106 and the associated monitoring and reporting program. As described therein, an annual report that contains the information described in Items No. 1-6 of the Monitoring and Reporting Program must be submitted by **1 February** of each year.

If the discharge violates the terms or conditions of the waiver, the Regional Board may take enforcement action, including assessment of administrative civil liability. If the method of winery wastewater and solids disposal change from those described in the RWD, you must submit a new RWD. Please note that the waiver will expire on 11 July 2008, at which time you must submit a new RWD with filing fee to renew the waiver, or cease the discharge.

**If you crush more than 80 tons of grapes and/or your total annual flow exceeds 100,000 gallons per year, the waiver is no longer applicable to your facility and you must submit a new RWD for individual Waste Discharge Requirements.**

If you have any questions, please contact Timothy O'Brien at (916) 464-4616.

--Original Signed By--

THOMAS R. PINKOS  
Executive Officer

enc: Resolution No. R5-2003-0106

cc: w/o enc Mike Huggins, San Joaquin County Environmental Health Department, Stockton  
Brian Milton, W.A. Craig, Inc., Dixon